

King County DNRP Water Quality Index

STATION **470** WATER YEAR **2018**

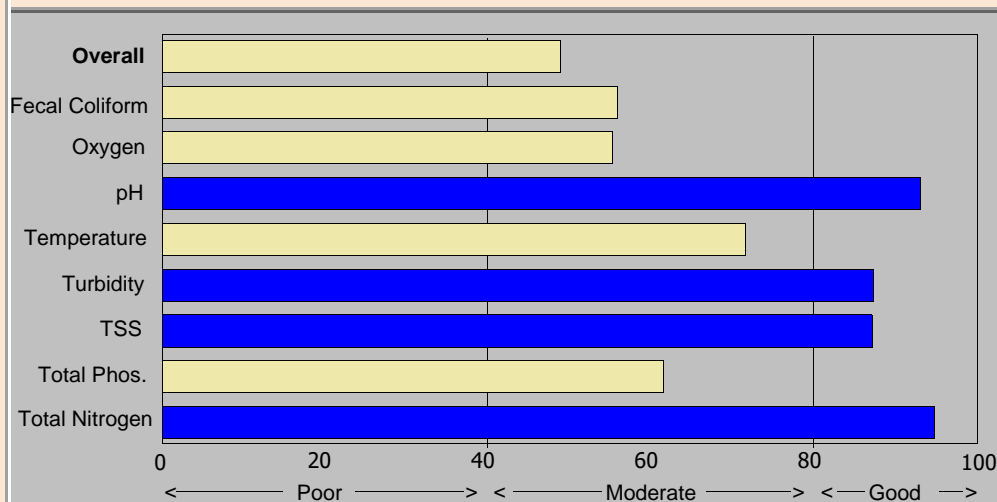
GAUGE # 56A Swamp Creek at Bothell Way

Overall Index 49

King County has monitored water quality in Swamp Creek at two locations. Station 0470 is located at the USGS Gaging station near Bothell Way and 80th Ave North. Monitoring at this station began in 1972 and continues today. The Swamp Creek basin encompasses 15,000 acres and includes portions of the communities of Lynnwood, Everett, Bothell, and Kenmore. The creek originates south of Everett and flows 10.9 miles before draining into the Sammamish River. The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of dissolved oxygen and temperature standards. Swamp Creek is also listed for bioassessment scores that indicate that biological integrity is degraded. And the creek has a Category 4a listing as part of the Swamp Creek TMDL for fecal coliform bacteria.

Annual Water Quality Index Scores

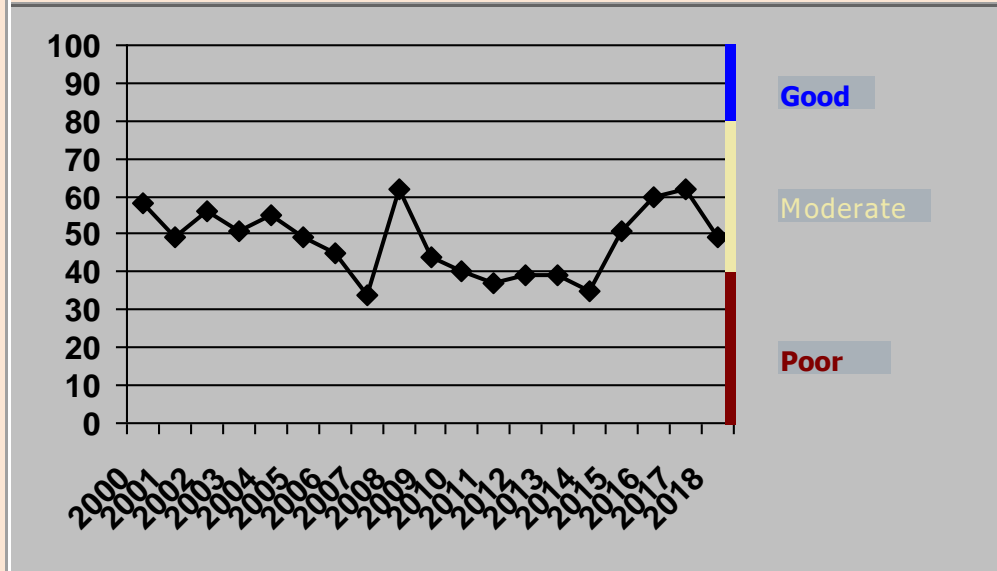
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
82	76	83	89	78	86	84	55	74	54	38	68

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>